

Serial No. 09/963,279  
Atty. Doc. No. 01P17873US

**IN THE CLAIMS:**

Please amend the claims according to the status designations in the following list:

1. – 10. (canceled)

11. (previously presented) A method of manufacturing a rotor coil for use within a generator of a power generation plant, comprising:

arranging an adhesive between a strand of conductive material and a strand of insulation material;

applying a temperature of about 100-300 °C and a pressure of about 5-100 psi for about 5-120 seconds to the adhesive in order to tack the adhesive to the conductive and insulation materials, thereby forming an insulated conductor stack;

assembling a plurality of stacks to form a nascent rotor coil;

arranging the nascent rotor coil in a rotor slot; and

curing the adhesive after the coil is arranged within the rotor slot by at least one of heating and applying pressure to at least a portion of the coil that contains the plurality of stacks.

12. (original) The method of claim 11, wherein the adhesive comprises a thermoset material.

13. (original) The method of claim 12, wherein the adhesive is selected from the group consisting of nitril, phenolic, epoxy, acrylic and the like.

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14. (original) The method of claim 11, wherein the tacking is performed at a temperature of about 140-160 °C and a pressure of about 10-50 psi for about 15-45 seconds.

15. (original) The method of claim 11, wherein about 5-20 stacks are arranged to form the nascent rotor coil.

16. (original) The method of claim 11, wherein the adhesive is fully cured during the press and back cycle of the rotor coil manufacturing process.

17. (withdrawn) A tacking apparatus, comprising:

a tray adapted to support at least a portion of a component to be tacked, the tray having a positioning device to help position the component on the tray and an urger to help secure the positioned component;

a movable ram adapted to directed a pressure of about 5-100 psi onto the component; and

a heater adapted to direct a temperature of about 100-300°C onto the component, whereby the directed heat and pressure tack the component, the component including at least two elements and an adhesive, and the adhesive fully cured subsequent to the tack.

18. (withdrawn) The apparatus of claim 17, wherein the positioning device is a plurality of dowels arranged on the surface of the tray.

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19. (withdrawn) The apparatus of claim 17, wherein the urger is a plurality of spring-loaded snap-backs arranged on the surface of the tray.

20. (withdrawn) The apparatus of claim 17, wherein a frame is used to vertically elevate the tray.